UTAH DIVISION OF OIL AND GAS CONSERVATION

REMARKS: WELL LOGELECTRIC LOGSFILE_X_WATER SANDSLOCATION INSPECTEDSUB. REPORT/abd
8-1-78-Joestion abandoned well never drilled.
DATE FILED 7-8-77
LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-27492 INDIAN
DRILLING APPROVED: 6-29-77
SPUDDED IN:
COMPLETED: PUT TO PRODUCING:
INITIAL PRODUCTION:
GRAVITY A.P.I.
GOR:
PRODUCING ZONES:
TOTAL DEPTH:
WELL ELEVATION:
DATE ABANDONED: 8-1-78 - Location abandoned
FIELD: Wildcat 3/86
UNIT: East Willow Creek
COUNTY: Grand
WELL NO. State 492-#1 API NO: 43-019-30373
LOCATION 1284 FT. FROM (XXX (S) LINE. 929 FT. FROM (E) (XXX LINE. SE SE 1/4 - 1/4 SEC. 2
TWP. RGE. SEC. OPERATOR TWP. RGE. SEC. OPERATOR
19S 21E 2 ANSCHUTZ CORP.

•	
FILE NOTATIONS	
Entered in NID File	- Checked by Chief
Entered On S R Sheet	- Copy NID to Field Office
Location Map Pinned	- Approval Letter
Card Indexed	Disapproval Letter
I W R for State or Fee Land	
COMPLETION DATA:	
Date Well Completed	Location Inspected
OW TA	Bond released
GW OS PA	State of Fee Land
LC	OGS FILED
Driller's Log	
Electric Logs (No.)	•
E E-1	GR Micro
	Sonic Others

(DW) 1-5-90



ENVIRONMENTAL ENGINEERING COMPANY

Professional Engineering Services

P. O. Box 3341 Casper, Wyoming 82601 Phone (307) 234-6186

1645 Court Place Suite 229 Denver, Colorado 80202 Phone (303) 892-1506

May 11, 1977

Mr. Cleon B. Feight, Director Utah Division of Oil, Gas and Mining 1588 W., North Temple Salt Lake City, Utah 84116 RE: The Anschutz Corporation #1 State 492 1284' FSL 929' FEL Sec 2 - T19S - R 21E Grand County, Utah

Dear Cleon:

Enclosed are two copies of our completed submittal to drill the above well as shown on your form OGC-1a, together with a map showing the route to travel into the location from I-70 and a copy of topographic map indicating the well location and other information.

I have enclosed, as you requested, two pictures that I took with you while we were examining the drill site during staking by the surveyor. As we have noted, and as evidenced in these pictures, this is the only topographically logical place to drill this well and if an exception is needed I hope you will approve this and that the USGS and BLM also approve this location.

As you recall, the road up Cottonwood Canyon past the Gulf Oil Corporation gas well is in very good condition; however, we will have the dirt contractor smooth out three or four spots that have had slight erosion. This road was apparently approved by BLM in April 1972 when Anschutz drilled their 1 Fed 418 in Sec 23-T19S-21E. Since the USGS and BLM had obviously approved the crossing of BLM lands at the time of drilling that well, it should take minimal inspection, hopefully, for their approval as to its continued use for drilling the above regard.

Cleon, did you find a roll of film in your Blazer? I lost it someplace and it must have fallen out of my briefcase. If so, please advise me or mail it to me.

Sincerely,

George Fentress
Agent Consultant for

The Anschutz Corporation

GF/bk cc: USGS

BLM

The Anschutz Corporation

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN T. LICATE*

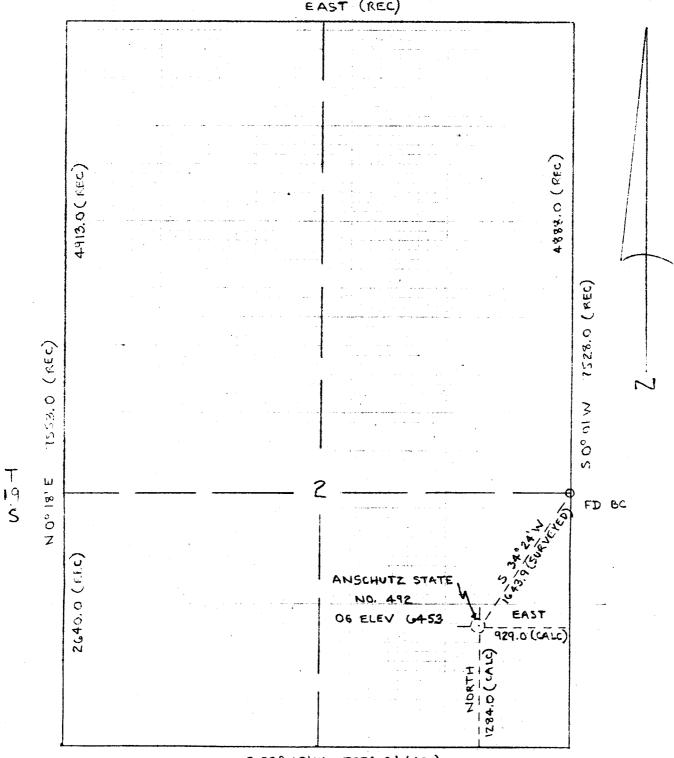
(Other instructions on reverse side)

CATE 4-30-81

5. Lease Designation and Serial No.

	<i>-</i> , -, -, -, -, -, -, -, -, -, -, -, -, -,	20.00, 0.000			U-27492
APPLICATION	FOR PERMIT TO	O DRILL, DEEPE	N, OR PLUC	G BACK	6. If Indian, Allottee or Tribe Name
a. Type of Work					7. Unit Agreement Name
DRILL b. Type of Well	. 🔼	DEEPEN	PLUG	BACK	East Willow Creek Uni
Oil Gas Well We	Other		Single Zone	Multiple Zone	8. Farm or Lease Name State
. Name of Operator	O	Y a	-	-	9. Well No.
The Anschutz	Corporation,	ine.			#1 State 492
1110 Denver	Club Building,	Denver, Color		200	10. Field and Pool, or Wildcat - Wildcat
. Location of Well (Repor At surface	t location clearly and in a	ecordance with any State	1 7 4//11	CEIVER	11. Sec., T., R., M., or Blk.
1284 FSL, 9	29' FEL				and Survey or Area
At proposed prod. zone same			GAS, &	V OF 1977	2 T19S-21E
4. Distance in miles and	direction from nearest tow	n or post office. n Thompson, U	11	INING C	Grand County, 13 State
5. Distance from proposed		16. No	of acres in lease	11. No.	of acres assigned
location to nearest property or lease line,	n. 9291	. 25	521.27 A	1 4 18 11	is well 640 A
(Also to nearest drig. li 8. Distance from proposed to nearest well, drilling	location*		oposed depth		ry or cable tools Otarv
or applied for, on this					22. Approx. date work will start*
1. Elevations (Show wheth 6453† Ground					May 25, 1977
8.		PROPOSED CASING AND	CEMENTING PRO	GRAM	
Size of Hole	Size of Casing	Weight per Foot	Setting Depth		Quantity of Cement
11"	8 5/8"	24 lbs.	3001		200 sacks
6 3/4"	4 1/2"	9.5 lbs.	68001		300 sacks
2. This		hich case brine ada Test and th ada			d to 6,800°
3. GR - ćaugh	FDC — SNP log at from under s	gs are planned f urface casing to	for this well o T.D.	l. Samp	les will be
*NOTE:	This location r	in the SE SE 40	aphic excep	rill this	to the fact that this is well, as already il, Gas and Mining.
IN ABOVE SPACE DESC		AM. If managed is to de	enen or plug back, s	rive data on pr	seent productive zone and proposed new pr sured and true vertical depths. Give blowd
preventer program, if any.	Fentress	Age	ent Consulta	nt for	·
Signal Jow	Jel Forte	THE	ANSCHUT	Z CORP	ORATION May 11, 197
(This space for Yolgan	or State office upo)	3	Approval Date		
• /	,	,			
Approved by	if any:	Title	4		Date

R21E EAST (REC)



5 89° 42' W 5286.6' (REC)

ELEV. BY VERTICAL ANGLES FROM USGS TOPO QUAD "SEGO CANYON, UTAH", 1963 (Et cok, SECT 2: 6405)

PLAT OF ANSCHUTZ STATE NO. 492 WELL LOCATION IN SET SECT 2 TIPS RZIE S.L.B. & M., GRAND COUNTY, WTAH FOR: RAMPART RESOURCES INC. SCALE - 1": 1000" MAY 10, 1977

TRANSITY DISTANCE METER SURVEY

Austhut #1 State 492 2-195-21E Grand Co.



ANSCHUTZ 1-STATE 492 SE SE - 2-195-216 APPROX SOUTHEASTWARD LOOKING OF HEAVY BRUSH ON EDGE

BY FENTESS 5/5/11



ANSCHUTZ 1-STATE 492 APPROY SESE 2-195-21E

LOOKING NORTH WESTWARD

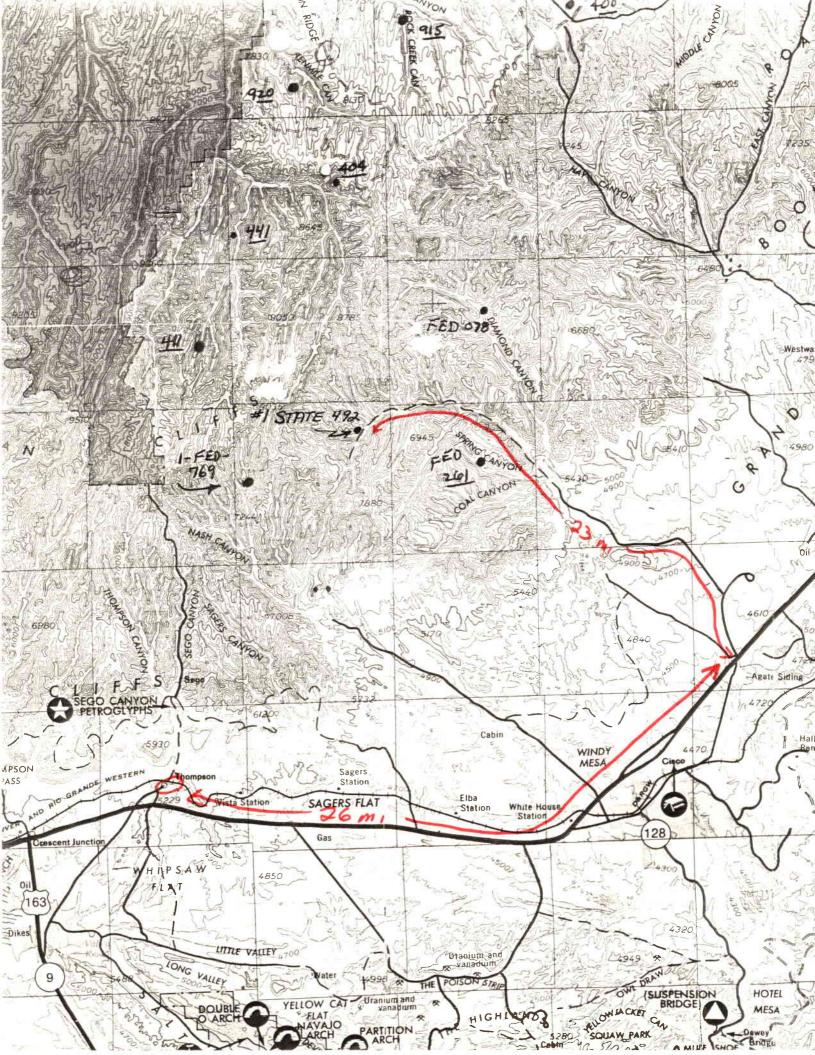
NEAR ROAD & ON FLAT

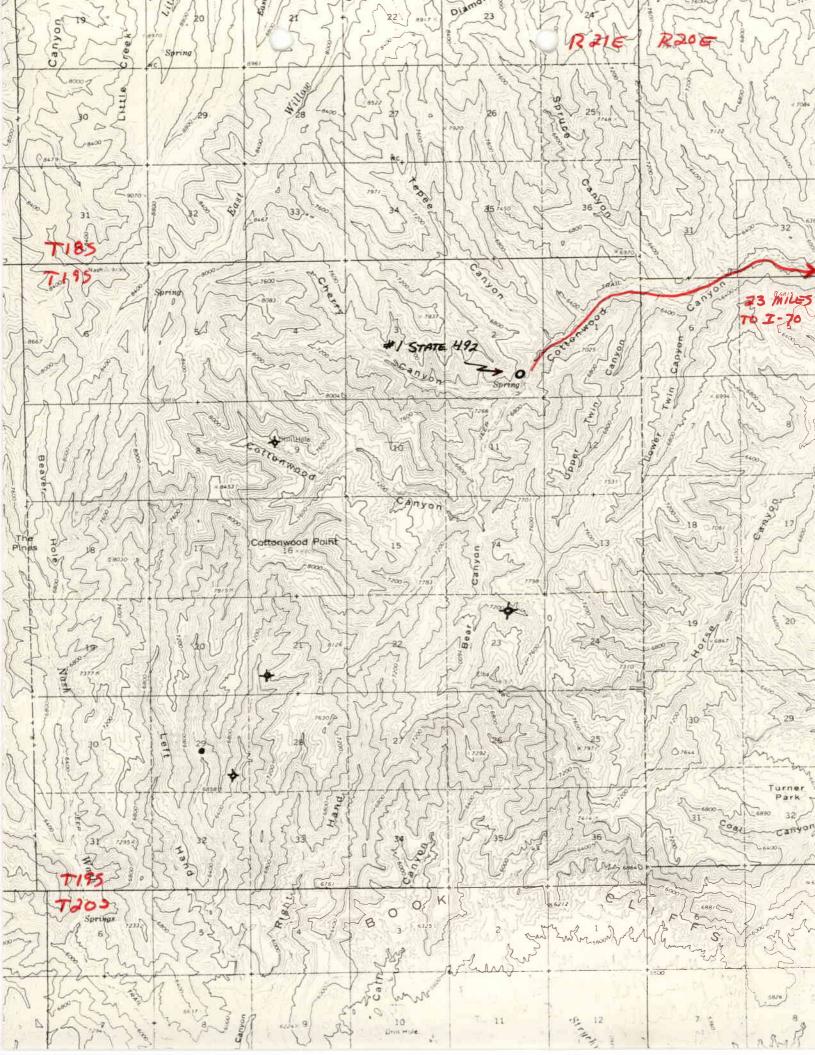
AREA SUITABLE FOR

LUCATION

AN FENTRESS

BY FENTRESS 5/5/27





Wentile



REVISED

ENVIRONMENTAL ASSESSMENT

for

ANSCHUTZ #1 STATE 492

on

STATE OF UTAH ML 27492

SE ¼ SE ¼ Section 2,

Township 19 South, Range 21 East

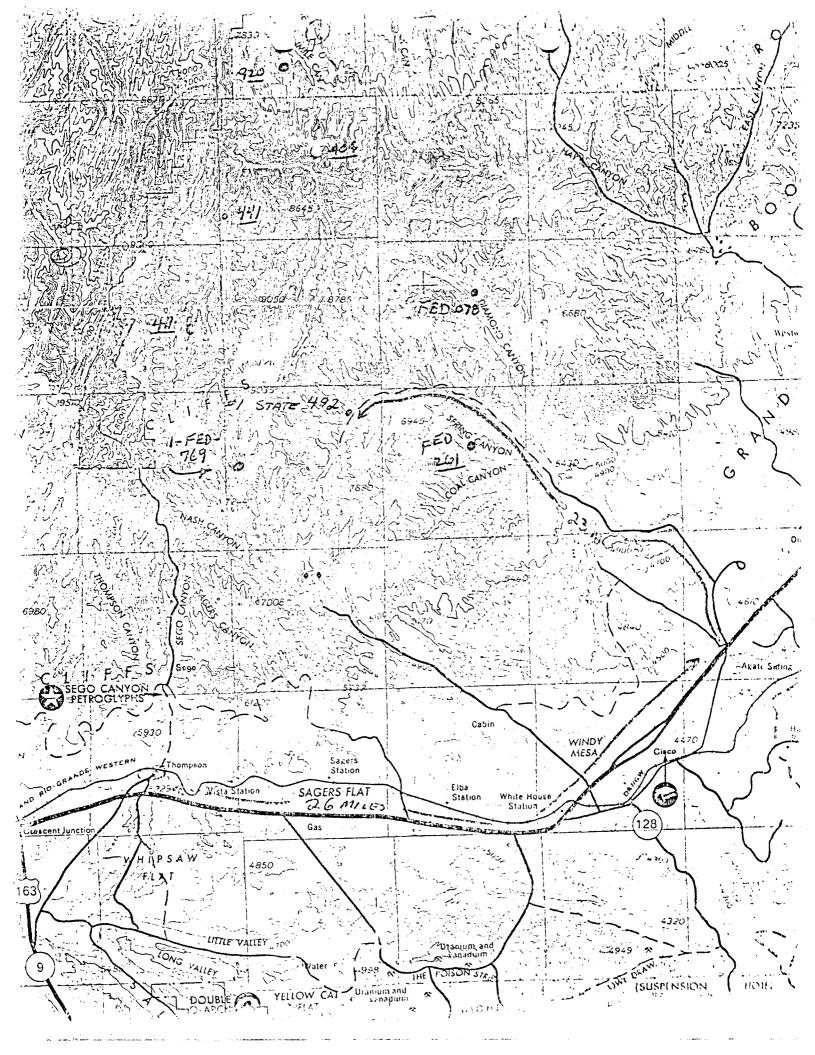
Grand County, Utah

May 16, 1977

Prepared by:

UTAH DIVISION OF OIL, GAS, AND MINING

Patrick L. Driscoll, Chief Petroleum Engineer



I. DESCRIPTION OF THE PROPOSED ACTION

Anschutz Corporation plans to drill a well on the existing State oil and gas lease on Section 2, Township 19 South, Range 21 East, SLBM, to determine the liquid hydrocarbon potential of the Entrada formation. Maximum depth of drilling will be about 6,800 feet.

The plan for the layout of the drilling equipment is such that the surface facilities will cover an area of about 250° X 300° . The location of the well on Section 12 is shown on Plat #1.

Access will be immediately adjacent to a pre-existine road.

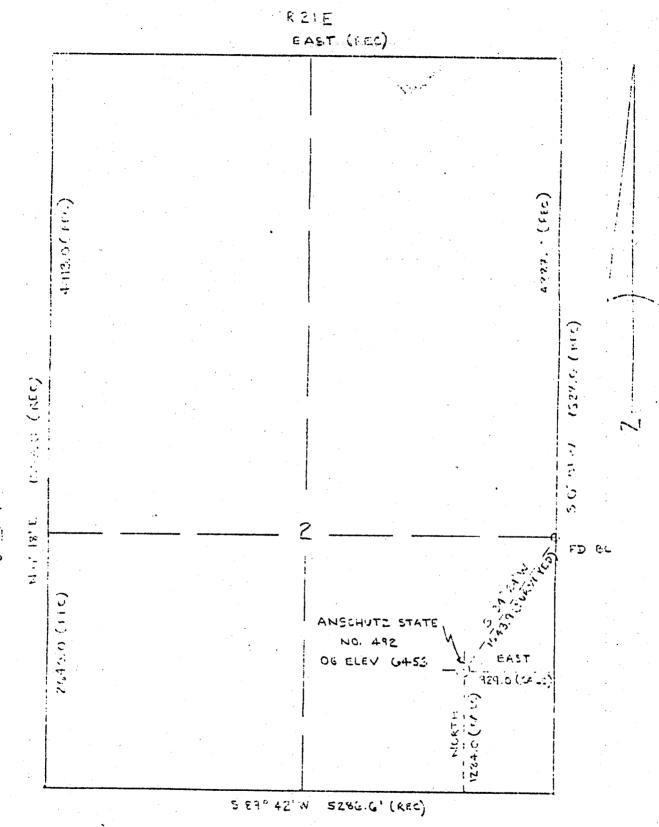
II. DESCRIPTION OF THE ENVIRONMENT POTENTIALLY AFFECTED

The majority of the environment affected by this project will be at the well-site. There is a slight amount of Scrub Oak and Sagebrush immediately adjacent to the well-site.

(A) Physical Environment

This localized area of the southern Book Cliffs region is characterized by moderately steep slopes, the result of canyons deeply incised into the surface Wasatch and Green River formations. Flood plain alluival valleys have formed in the major canyon bottoms, especially in the lower reaches of Cottonwood Creek. The upper slopes and the heads of most drainages are characterized by massive sandstone outcrops with scattered interbedded lenticular shales.

Precipitation in this area totals approximately 8" annually, the majority of which falls during the winter. Summer precipitation falls in the form of short, violent thunderstroms.



FROM USEL TOPO QUAT

FROM USEL TOPO QUAT

"SECO CAMPON, UTAM", 1943

LET COR, SECT. Z: 6405)

YTAM REGIO. L.S. Nº 1963

PLAT OF ANSCHUTZ STATE NO. 402 MEL.
LOCATION IN SEX SECT 1 TIRS RESEL
SILIBITIM, GRAND COUNTY, WIAH
FORE RAMPART RESOURCED INC.
SCALE 1": 1000" 1000"

Temperature extremes are -20° to $+90^{\circ}$ F. Freezing temperatures and frost may occur during any month of the year with the right meteorological conditions.

Soils are a function of the active weathering process upon parent rocks in the area and therefore are highly variable in depth and composition. In the canyon bottoms soils forming in the colluvial and alluvial deposits range from 1' to 5' in depth. On the canyon sides soils have accumulated, but the parent rock, mostly Wasatch sandstone, outcrops occasionally. The soils exhibiting the most structure are found on the North and East facing slopes of East Willow Creek.

In the project area the slopes are relatively stable. No signs of landslides, slumps, or snowslides were observed during a field evaluation.

A road exists within 50' of the proposed well location.

(B) Biologic Environment

Overstory vegetation on the well-site is typical of the Big Sagebrush type and is comprised of:

COMMON NAME

Big Sagebrush

Greasewood

Fourwing Saltbush

Understory vegetation on the well-site includes:

COMMON NAME

Annual Brome

Indian Ricegrass

other grasses

The vegetation reported here is not a complete inventory but represents a major listing of the species encountered.

Fauna found in the general area of the proposed well includes both managed wildlife species and domestic livestock.

Managed wildlife big game species which are present include elk and mule deer during the winter months. Small game species include cottontail rabbit, jackrabbit, and chukar. Non-game species are abundant and include coyote, gopher, eagles, hawks, chipmunk, various small rodents, and songbirds.

Though the upper reaches of Cherry Creek, Cottonwood Creek, and East Willow Creek are perennial, these streams do not comprise a sport fishery.

Winter range for the managedbig game wildlife is provided in the lower reaches of the right fork of Cottonwood Creek but, the area does not exhibit signs of high-level use by these species.

Cattle grazing is evident in the East Willow Creek drainage but currently livestock use in the right fork of Cottonwood Creek is minimal mostly due to poor access.

The proposed well is in an area which has been declared to be of some potential archeological interest. A field investigation will be conducted by the State Archeologist.

III. PROBABLE IMPACT OF THE PROPOSED ACTION ON THE ENVIRONMENT

Physically, the proposal will change the land use of approximately two

acres in surface area. This is based on a operations pad measuring 250' by 300'. It is not anticipated that the construction would cause undue erosion or sedimentation into the stream courses encountered.

In quantity, the amount of forage and habitat eliminated through road and pad construction will not be significant to animal utilization. With the initial road construction wildlife utilization of area adjacent to the road and pad may be reduced. Following construction and with the limited use of the access road most wildlife will again utilize areas adjacent to the movement of vehicles.

With the advent of a discovery of oil or gas in this well the potential remains for a field development here. This would lead to increased widespread human and mechanical activity in the area.

Air and water degradation to any significant degree as a result of the drilling itself are not anticipated.

IV. MITIGATIVE MEASURES INCLUDED IN THE PROPOSED ACTION

Stabilizing of the proposed drill pad is planned by the operator following operations. The pad will be stabilized even with the advent of installing production facilities in the case that a producing well is discovered. A production facility plan is shown on plat #2. The seed mixture for planting is:

Seed	POUND/ACRE
Standard Crested Wheatgrass	4
Intermediate Wheatgrass	2
Indian Ricegrass	1
Russian Wildrye	1
Yellow Sweetclover	1
Fourwing Saltbush	1

Vegetative protection from grazing will be provided for two growing seasons through fencing. The road design calls for providing adequate

drainage from the finished grade.

All applicable safety, blowout prevention, fire prevention, and spillage prevention will be in use for the drilling process itself.

V. ALTERNATIVES TO THE PROPOSED ACTION

The short term uses planned for this project will not necessarily affect long term productivity of the natural area involved.

With a relatively small disturbance in the short term, a productive liquid hydrocarbon discovery could be made. If the discovery would be of sufficient size the area would be productive for many years, yielding valuable and increasingly rare raw materials for the production of energy.

VII. IRREVERSIBLE AND UNRETRIVEABLE COMMITMENT OF RESOURCES INVOLVED IN THE PROPOSED ACTION

The depletion of the oil reservoir, in the event a discovery is made would be an irreversible action, the resource would be beneficially utilized by man.

To achieve multiple use on the project area, the lease should be developed since the actual environmental impacts are not significant.



STATE OF UTAH

Calvin L. Rampton, Governor DEPARTMENT OF

DEVELOPMENT SERVICES
Division of State History

Melvin T. Smith, Director 603 East South Temple Salt Lake City, Utah 84102 Telephone: (801) 533-5755

Mr. Cleon B. Feight Director Division of Oil, Gas & Mining 1588 West North Temple Salt Lake City, Utah 84116

Dear Jack:

Please find enclosed a report of an archeological survey conducted by the Antiquities Section, Division of State History. As you will note, no cultural resources were detected, and in my opinion there should be no problems with development of these locations.

I have forwarded a copy of this Memo to the State Historic Preservation Officer, and he should be in contact with you.

Please find enclosed a statement for our costs.

Sincerely,

David B. maden

David B. Madsen State Archeologist

DBM:ap

Enclosures

CIRCULATE TO:

DIRECTOR—PETROLEUM ENGINEER—MINE COCADINATOR—ADMINISTRATIVE ASSISTANT

RETURN TO

FOR FILING

JUN 17 1977

-255 # 135/Hi

MEMO

TO: DAVID B. MADSEN, State Archeologist

FROM: KAY SARGENT, Archeologist

RE: DRILL SITE CLEARANCES FOR ANSCHUTZ CORPORATION

Friday, June 10, 1977, Ron Danielson, Pat Driscoll, and Howard Leach, representatives of the Utah Division of Oil, Gas, and Mining, accompanied me to three proposed drill sites and their proposed access roads. These are to be developed by the Anschutz Corporation.

The clearance was conducted by examining an area approximately two hundred feet or more on either side of the staked and flagged drill center. The access road, which will be confined mainly to the ridge tops, was not flagged or staked so that a wider area was examined (by a meandering "zig-zag" path) to insure coverage of the route.

Anschutz No. 1 State 492 is located in the SE% of the SE% of Section 2, T19S, R21E, in the canyon bottom. The proposed drill site is on the east side of an existing road and as such has been frequented by recent campers as rusted cans and other campfire debris attest. No prehistoric remains were evident from surface examination.

Anschutz No. 2 State 411 is in the SW% of the NW% of Section 23, T18S, R2OE, atop a narrow ridge separating the Right Hand of Fish Creek from Fish Creek proper. The cover was moderately heavy making observation difficult. A forest cover was present, with

Memo June 14, 1977 Page 2

underbrush and humus. No archaeological remains were observed.

State #402 is located in the SW% of the NE% of Section 36, T17S, R20E, in a basin-like area on the east side of Went Ridge. The area has been chained and is now grass covered. Scrub oak and lower brush occurs on the surrounding ridges. No archaeo-logical remains were evident.

Since access roads to the latter two drill sites are to be constructed, an effort was made to examine part of this route also. The proposed access road extends from the end of the existing road in Section 10(?), T19S, R2OE, to drill pad St. #402 in Section 36. A spur to connect St. #411 is to leave the main route in the northern portion of Section 27, In all, the proposed route is approximately 10-11 T18S. R20E. miles long. I was able to examine the route of the spur to St. #411 (approximately 1 mile) and the main route from St. #402 south to the SW4 of the NE4 of Section 15 (4 miles). No indications of prehistoric occupation were encountered, somewhat surprising as archaeological sites are known in this general area and game appears to be abundant. The heavy ground cover of some areas did hamper vision to some extent, and it is always possible that archaeological remains may exist without above ground indications. I was informed that the rest of the route will be surveyed and flagged which should facilitate the clearance of the remaining 5-6 miles of access road.

Moab District Grand Resource Area 446 South Main Moab, Utah 84532

June 1, 1977

Mr. George Fentress P.O. Box 113 Wheatridge, CO 80033

REFERENCE: Anschutz Corporation

#1 State 492

Sec. 2: T. 19 S., R. 21 E.

Grand County, Utah

Dear Mr. Fentress:

This office has no objection to the use of the Cottonwood Canyon road as access to the above referenced well. We do not approve any more than the 3 or 4 spots needing upgrading (as stated in your letter dated 5/11/77). If more road work is needed than stated please contact this office at once.

Good luck in this venture. If we may be of further service feel free to contact us.

Sincerely yours,

C. Delano Backus Area Manager

cc: Ed Guynn, District Engineer USGS

Cleon B. Freight, Director Utah Div. Oil, Gas & Mining

RCurnutt/jl

May 31, 1977

Mr. Patrick L. Driscoll
Chief Petroleum Engineer
Utah Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, UT 84116

RECEIVED
JUN 9 1977
NO
STATE OF OIL
AND MINING
AND MINI

STATE OF UTAH

Scott M. Matheson, Governor

DEPARTMENT OF DEVELOPMENT SERVICES

Michael T. Miller Executive Director 104 State Capitol Salt Lake City, Utah 84114 Telephone: (801) 533-5961

Dear Mr. Driscoll:

RE: Environmental Assessment for Anschutz #1 State 492 Wildcat Oil and/or Gas Well, Grand County

The staff has reviewed the State and National Registers and found no listings; however, the area has a high potential for yielding important cultural resources. Therefore we recommend that our agency or designee be allowed fifteen days to conduct a field survey prior to construction or land disturbance. Your agency is requested to cover the costs of this survey which is estimated to be approximately \$375. If there are problems, we recommend that the applicant/proposal be forwarded to the Economic and Physical Development Inter-Departmental Coordination Group (EPD) for further consideration. If you need further assistance, please call Wilson G. Martin at 533-5755.

Sincerely

Michael T. Miller Executive Director

and

State Historic Preservation Officer

WGM:jjw:A716GN:1

cc: Division of State Lands, 105 State Capitol, Salt Lake City, UT 84114

no known sites but high potential, refer to EPD--state lands

CIRCULATE TO:

PETROLEUM ENGINEER --MINE COORDINATOR ---ADMINISTRATIVE ASSISTANT

ALL -----

FOR FILING

RETURN 1

State

** FILE NOTATI	ONS **
Date: 29 -	
Operator: austhut of	solation
Well No: #1 State 492	
Location: Sec. 2 T. 195 R. 21E	County: <u>Thaud</u>
File Prepared / /// Card Indexed / ///	Entered on N.I.D. //// Completion Sheet ////
CHECKED BY:	 /
Administrative Assistant	
Remarks:	
Petroleum Engineer	usull
Remarks:	
Director	
Remarks:	
INCLUDE WITHIN APPROVAL LETTER:	
Bond Required	Survey Plat Required //
Order No/	Surface Casing Change //
Rule C-3(c), Topographic exception/o within a 660' radius o	
· O.K. Rule C-3 // O.1	C. Inunit //
7 , Other:	
weed k	
leaked by the Letter	er Written/Approved

June 29, 1977

The Anschutz Corporation 1110 Denver Club Building Denver, Colorado 80202

> Re: Well No. #1 State 492 Sec. 2, T. 19 S, R. 21 E, Grand County, Utah

Gentlemen:

No adverse comments having been received at the last meeting of the "Environmental Coordinating Committee", approval to drill the above referred to well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure. However, as per the request of the State Historic Preservation Officer, please advise this office immediately should artifacts or cultural sites be discovered during the construction process.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer

HOME: 582-7247 OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations have commenced, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30373.

Very truly yours,

CLEON B. FEIGHT Director

cc: Division of State Lands



1110 DENVER CLUB BUILDING 519 SEVENTEENTH STREET DENVER, COLORADO 80202 TELEPHONE 303-573-5665 TWX 910 931 2620

July 18, 1978

State of Utah Dept. of Natural Resources Division of Oil, Gas, and Mining 1588 West North Temple Salt Lake City, Utah 84116

Attention: Kathy Ostler, Records Clerk

Dear Ms. Ostler:

As requested in your letter of June 8, 1978 the following is submitted.

To update your records the following wells have not yet been drilled and our plans have not changed.

Well No. Federal 258-#4, Sec. 5, T. 18S, R. 24E, Grand County, Utah

Well No. Federal 335-#2, Sec. 20, T. 19S, R. 23E, Grand County, Utah

Well No. Federal 335-#4, Sec. 19, T. 19S, R. 23E, Grand County, Utah

Well No. Federal 350-#1, Sec. 4, T. 18S, R. 24E, Grand County, Utah

Well No. State 400-#1, Sec. 17, T. 16S, R. 23E, Grand County, Utah

Well No. State 402-#1, Sec. 36, T. 17S, R. 20E, Grand County, Utah

Well No. State 404-#1, Sec. 23, T. 17S, R. 21E, Grand County, Utah

Well No. State 411-#2, Sec. 23, T. 18S, R. 20E, Grand County, Utah

Well No. State 414-#1, Sec. 32, T. 18S, R. 21E, Grand County, Utah

-OVEY-



State of Utah
Dept. of Natural Resources
Kathy Ostler, Records Clerk
July 18, 1978
Page - 2

Well No. State 915-#1, Sec. 17, T. 16S, R. 22E, Grand County, Utah

Well No. State 920-#1, Sec. 28, T. 16S, R. 21E, Grand County, Utah

Well No. Ten Mile State 921-#1, Sec. 34, T. 16S, R. 21E, Grand County, Utah

Well No. Bar Creek Unit #4, Sec. 30, T. 17S, R. 26E, Grand County, Utah

Well No. Bar Creek Unit #5, Sec. 30, T. 17S, R. 26E, Grand County, Utah

We do not presently plan to drill the Well No. State 492-#1, Sec. 2, T. 198.

R. 21E, Grand County, Utah.

We have recently drilled and either completed or abandoned the following wells. Reports are forthcoming under a separate cover.

Well No. Federal 258-#2, Sec. 5, T. 18S, R. 24E, Grand County, Utah

Well No. Federal 258-#3, Sec. 5, T. 18S, R. 24E, Grand County, Utah

Well No. Anschutz State Line 28-1, Sec. 28, T. 4N, R. 8E, Summit County, Utah

Well No. Federal 258-#5, Sec. 8, T. 18S, R. 24E, Grand County, Utah

Well No. 769-#1, Sec. 19, T. 19S, R. 21E, Grand County, Utah

Well No. Federal 104-#1, Sec. 4, T. 20S, R. 21E, Grand County, Utah

Well No. Federal 675-#2, Sec. 9, T. 20S, R. 21E, Grand County, Utah